From owner-qrp-l@netcom.com Sat Oct 15 21:59:47 1994
Date: Thu, 13 Oct 1994 08:19:24 -0230 (NDT)
From: Robert Gobrick <bgobrick@random.ucs.mun.ca>
Subject: Re: ARCI QSO Party Team
Message-Id: <Pine.3.87.9410130824.A3326-0100000@random.ucs.mun.ca>

QST Canadian QRPers!

Any interest in a "Team Canada QRP INET effort". I'm in Newfoundland and
if we can get a BCite then we'll have from "shore-to-shore" coverage as
CBC would say (or is that coast-to-coast?).

72 Bob VO1DRB

On Wed, 12 Oct 1994, Warren E. Lewis wrote:

> At the current time it looks like the QRP list will
> field just one team for the QSO Party this weekend.
>
> The following folks have agreed to be on the QRP-L team:
>
>   KI0G - Robert Cutter
>   K5FO - Chuck Adams
>   N3PFF - John Ryme
>   KS4ET - Warren Lewis (new advanced call just arrived)
>
> We still have time to get together a couple more folks so we can
> field another team. I will send the team member list(s) to
> Cam (N6GA) Friday morning.
>
> Please stop by during the QSO Party and see how many QRP-L members
> you can work. Good Luck to all during the QSO Party.
>
> --
> Warren E. Lewis   saswel@unx.sas.com
> Technical Support Division   (919) 677-8001 x6542
> SAS Institute Inc.   PP-ASEL
> Cary, NC   KS4ET   DOD#0021
>

From owner-qrp-l@netcom.com Sun Oct 16 00:11:04 1994
From: rohrwerk@holonet.net
Date: Sat, 15 Oct 1994 18:05:09 -0700
Message-Id: <199410160105.SAA13731@holonet.net>
Subject: Argosy cw /ssb 10W/50W f

On 10-11-94 rsm@ic.net wrote to qrp-l@netcom.com:

> I have a very nice condition Ten Tec Argosy for sale. It has two power
> modes 50watts and 10 watts out.
>
Grab it, somebody -- once in a lifetime opportunity.

Does yours really put out 10 watts in the low position? Mine only goes to
about 5 or 6...

: John Seboldt rohrwerk@holonet.net /   I am Bach of Borg...
: Amateur radio K0JD...   /   your style will be
: Church of the Annunciation,   /   assimilated.
: Minneapolis   /

-> Alice4Mac 2.3 E QWK Eval:05Mar94

From owner-qrp-l@netcom.com Sat Oct 15 21:01:14 1994
Date: Thu, 13 Oct 1994 18:25:33 GMT
From: goran hosinsky <hosinsky@royac4.royac.iac.es>
Subject: Correct address?
Message-Id: <9410131825.AA17174@royac4.royac.iac.es>

HI!
I tried to order D.Ingram: "How to get started in QRP" from
National Amateur Radio assn, P.O. box 598, Redmond WA 98073
but got the letter back, wrong adress. Has anyone got the
correct address?
73
Goran, EA8YU   hosinsky@royac.iac.es

From owner-qrp-l@netcom.com Sat Oct 15 05:23:24 1994
Message-Id: <INELVM1.LVE.145225090094285FINELVM1@INEL.GOV>
Date: 12 Oct 1994 09:25:09 MST
From: "Larry East" <LVE@inel.gov>
Subject: Heathkit Parts

Nuclear & Radiological Physics Unit
MS 7113   533-4005   lve@inel.gov
After going thru several telephone numbers, waiting on hold for 10min with
Zenith Data Systems customer service department, I finally came up with a
number   for Heathkit Educational Systems replacement parts:

   (616) 925-5899

            Some parts are still available for old Heathkits, so add that
number to your file for future reference. I was able to get a replacement
"Stackpole" power resistor for a "Cantenna" dummy load, for example -- it

cost about as much as the original kit, but that's life... (Noooo, I didn't burn it up with a "Texas KW" -- the fool thing just decided to change value from 51.5 Ohms when originally installed to 60 Ohms).

72/73, Larry W1HUE/7

Have a productive day :-)

From owner-qrp-l@netcom.com Sat Oct 15 23:45:30 1994
Date: Wed, 12 Oct 1994 08:03:39 -0500 (CDT)
From: Bob Howle <bhowle@freud.inst.com>
Subject: Joy of QRP ?
Message-Id: <Pine.SOL.3.90.941012075800.26540A-100000@freud.inst.com>

I wonder if anyone on this list has an extra copy of the _Joy of QRP_ that they'd like to part with. I 'loaned' my copy to a friend about seven years ago - he became a silent key and I was unable to recover my copy of the book before his XYL had the estate sale.

The Joy of QRP might be a good re-print project for some one. With the recent interest shown in QRP ops, I'll bet a lot of new comers to this area of the hobby would like to have a copy of this great book.

TNX / Bob / WA4ZID

From owner-qrp-l@netcom.com Sun Oct 16 01:13:48 1994
From: rohrwerk@holonet.net
Date: Sat, 15 Oct 1994 18:05:14 -0700
Message-Id: <199410160105.SAA13737@holonet.net>
Subject: making vfo boxes

On 10-12-94 brucerob@epas.utoronto.ca wrote to qrp-l@netcom.com:

> I've seen in many places references to making boxes for projects or
> vfos with pcb material soldered together. I can see that you could
> effectively weld them together with a bead on the inside, but I don't
> understand how the six sides are put together to make what I would
> consider a box. Can someone fill me in? 72, VE3UWL Bruce G. Robertson

I've made several boxes -- one open side, of course. How do you make them? Very carefully :-). The big thing is careful compensation for the thickness of the material. Decide if you want the front panel, for example, to be INSIDE the side panels or cut to fit flush with the outside of them and be soldered on.

I haven't soldered the outside foils, though you could put copper foil over the seams and solder it in if you wanted doubl

: John Seboldt rohrwerk@holonet.net /   I am Bach of Borg...
: Amateur radio K0JD...   /   your style will be
: Church of the Annunciation,   /   assimilated.
: Minneapolis   /

 -> Alice4Mac 2.3 E QWK Eval:05Mar94

From owner-qrp-l@netcom.com Sat Oct 15 21:01:38 1994
Date: Thu, 13 Oct 1994 10:48:38 -0600
Message-Id: <199410131648.KAA10639@Freenet.HSC.Colorado.EDU>
From: ab542@Freenet.HSC.Colorado.EDU (Nate Bushnell)
Subject: new subscriber

Please add me to qrp list. TNX   KD0UE Nate   73

From owner-qrp-l@netcom.com Sat Oct 15 15:26:57 1994
Message-Id: <2e9b6af0.pandora@pandora.uucp>
Date: Wed, 12 Oct 1994 12:49:51 +0800
From: "W. Daniel" <pandora!daniel>
Subject: OHR Classic for sale

Hi,

        I want to sell my OHR Classic for US$150. Any takers? Built properly and works well with built in speaker and additional amplifier. No keyer though. Has RX/TX bi-color LED on front panel. 20/40 meter handling. The rest you know. Need the money. Lemme know if interested. Thanks.

73,
Daniel
--
+-------------+-------------------------------------+
| Daniel Wee | daniel%pandora@csah.com |
| UUCP1.12b | daniel.wee@f516.n600.z6.fidonet.org |
+-------------+-------------------------------------+
** It is great wisdom not to rush into action nor
   obstinately hold our own opinions ** Thomas A Kempis

From owner-qrp-l@netcom.com Sat Oct 15 21:58:33 1994
From: BOBE@gasl.com
Message-Id: <MAILQUEUE-101.941013093549.320@ed2.gasl.com>

Date: Thu, 13 Oct 1994 09:35:49 BST
Subject: PCB construction of VFO boxes - my experience

Interested to see Bruce Robertsons (VE3UWL) question on this.

It's easy to make 5 sides of the box, and run a solder bead round all
the seams. The sixth side I fix by:-

(a) Making this side fit inside the box, and tacking it in with
solder at regular intervals. If access is required for repair, these
tacks can be individaully broken or removed with little trouble.

(b) Cut out a hole in the sixth side, big enough to remove the PCB if
necessary, and do as in (a), but continuously solder it in for
superior rigidity. The sixth side should be pre-fitted with nutserts
around the access hole, and a plain cover fitted to complete the
shielding. Use plenty of fixing points to prevent excessive flexing
of the material.

It's best to keep the box as small as you feel comfortable to work
in, to minimise VFO drift due to the PCB material flexing.

I use a guillotine to chop out the PCB board, as you get 90 degree
corners and straighter edges - but watch your fingers!!

Regrds from Bob Edwards, G4BBY, Manchester

From owner-qrp-l@netcom.com Sun Oct 16 01:02:17 1994
Date: Fri, 14 Oct 1994 13:24:44 -0400 (EDT)
From: Stephen Modena <modena@calypso-2.oit.unc.edu>
Subject: RE QRP (fwd)
Message-Id: <Pine.SOL.3.90.941014131740.11619A@calypso-2.oit.unc.edu>

>From owner-boatanchors@gnu.ai.mit.edu Fri Oct 14 10:41:31 1994
>Date: Fri, 14 Oct 94 07:02 EST
>From: Emil Switzer <SWITZER+_E%A1%Electromagnetic_Sciences@mcimail.com>
>To: BOATANCHORS <BOATANCHORS@gnu.ai.mit.edu>
>Subject: RE QRP
>
>   TO: BOATANCHORS
>
>   DOES ANYONE KNOW WHAT HAPPENED TO THE QRP REFLECTOR THAT USED TO BE ON
>   THE MAJORDOMO SERVER?
>
>   73

A per-message reflector for QRP-L can be subscribed by emailing to:

ListServ@NetCom

with this message in the body:

subscribe qrp-l

And messages can be posted to:

QRP-L@NetCom

The following may also be of interetest:

----------Cut Here----------

"QRP-L" E-LIST AVAILABLE IN DIGEST FORM

The QRP-L discussion elist has been relocated to Netcom.COM, but
without digests. Digest service may become available in the future.

This message describes a method of pseudo-subscription for digests. :^)

Anyone can post to QRP-L simply by addressing their message to:

qrp-l@Netcom.COM

and everyone on the subscription list will receive a copy.

Now a daily digest (accumulation of all messages)--and three-day digest,
are being posted daily in the following locations:

ftp-site: SunSITE.unc.edu
directory path: /pub/academic/agriculture/agronomy
filenames: DAILY.QRP, 3DAY.QRP

ftp-site: ftp.Cybernetics.NET
directory path: /pub/users/ab4el
filenames: DAILY.QRP, 3DAY.QRP

Therefore, if you can retrieve the DAILY.QRP file, you can actively
participate in the QRP-L discussion list, because you can both read
with a one-day delay and write immediately. [The bulk archives for
QRP-L are in /pub/academic/agriculture/agronomy/ham/QRP.]

There are several ways to obtain the DAILY.QRP file.

1) If you have direct Internet access, do an anonymous ftp login,
change to the appropriate directory and do a "get"...the DAILY.QRP

file is in ASCII format.

2) If you have GOPHER ability, do this:

gopher sunsite.unc.edu 70

and select the following sequence of menu options:

5: Worlds of SunSITE
4: Browse All Sunsite Archives
8: academic
3: agriculture
3: agronomy

and then choose the DAILY.QRP menu option. This will open the digest file for reading. The gopher at SunSITE has a mail-back feature: press "m" while reading and a dialog will pop-up allowing you to enter your e-mail address. Voila! In a few moments, a copy of DAILY.QRP will be in your mailbox. Quit out of gopher (keep hitting the "q" key).

[If you instead chose "8:Electronics & Computers" and then chose "5: Archives of QRP e-list...", you could read and auto-email articles within each bulk archive.]

3) For those with EMAIL ONLY...repeat for those with EMAIL ONLY, send a request for email delivery of the digest to:

modena@SunSITE.unc.edu

This last options is available on a very limited basis at the moment, but I am working to make it the primary way for anyone to obtain the digests daily.

This pseudo-subscription service is being done on a *hobby* basis... and therefore with no guarantee implied or expressed. Use it, but don't abuse it. :^)

de Steve AB4EL

ver 19941001:09.37

----------Cut Here----------

From owner-qrp-l@netcom.com Sat Oct 15 23:39:26 1994
Message-Id: <INELVM1.LVE.353428080094287FINELVM1@INEL.GOV>

Date: 14 Oct 1994 08:28:08 MST
From: "Larry East" <LVE@inel.gov>
Subject: QRP Books for sale

*** Resending note of 10/03/94 11:54
To: OAS   --INELSSW Soft-Switch Open A

FROM: Larry East
Nuclear & Radiological Physics Unit
MS 7113   533-4005   lve@inel.gov
I have for sale Volumes I and II of "Low Power Communications" by R. Arland, K7YHA.
  Volume I: QRP Basics
  Volume II: Advanced QRP Operating
These books contain a lot of info that would be helpful to anyone new in ham radio and/or QRP -- but its mostly"old hat" to an old timer like me. I bought them two weeks ago for $30, but they can be yours for only $25 (both volumes) shipped in the US (add $2.50 for Canada or $5.00 for overseas). First check or M.O. received gets 'em.

    Larry East, W1HUE/7
    1355 Rimline Dr.
    Idaho Falls, ID 83401

Have a productive day :-)

From owner-qrp-l@netcom.com Sat Oct 15 21:13:40 1994
Message-Id: <INELVM1.LVE.461323080094286FINELVM1@INEL.GOV>
Date: 13 Oct 1994 08:23:08 MST
From: "Larry East" <LVE@inel.gov>
Subject: QRP Quarterly

Nuclear & Radiological Physics Unit
MS 7113   533-4005   lve@inel.gov
Has anyone received the October issue yet? Just wondering...
72/73, Larry W1HUE/7

Have a productive day :-)

From owner-qrp-l@netcom.com Sun Oct 16 00:32:19 1994
From: rohrwerk@holonet.net
Date: Sat, 15 Oct 1994 18:05:27 -0700
Message-Id: <199410160105.SAA13744@holonet.net>

Subject: QRP Roundup on 40 M CW

On 10-11-94 ab4el@Cybernetics.NET wrote to qrp-l@netcom.com:

 > 03:00 K0JD   s/599 r/569 John in Minneapolis (a full S7 on the
 > meter...   either the band's open
                            or he's lying about 5 W)

I most certainly was NOT! :=) My big loop (horizontal, 350 ft circumference, 30 ft up), good band, plus luck.

Good to work you.

: John Seboldt rohrwerk@holonet.net /   I am Bach of Borg...
: Amateur radio K0JD...   /   your style will be
: Church of the Annunciation,   /   assimilated.
: Minneapolis   /

 -> Alice4Mac 2.3 E QWK Eval:05Mar94

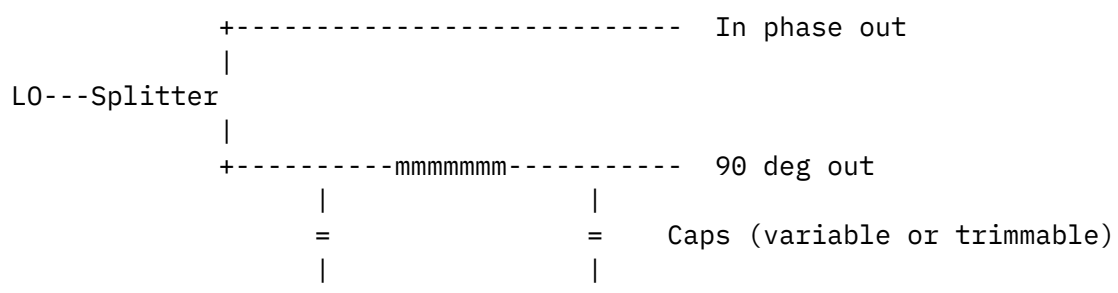
From owner-qrp-l@netcom.com Sun Oct 16 01:16:45 1994
From: rohrwerk@holonet.net
Date: Sat, 15 Oct 1994 18:05:23 -0700
Message-Id: <199410160105.SAA13742@holonet.net>
Subject: quadrature and R2

On 10-14-94 brucerob@epas.utoronto.ca wrote to qrp-l@netcom.com:

 > The one thing I'm not sure on is the local osc. input. That's supposed
 > to be in quadrature. I think this has been asked fairly recently, but
 > is this as difficult as it looks in the ARRL handbook? Are there any
 > kits/project descriptions out there for this?

Simple. Get the original QST article, Jan. 1993, "High Performance Direct-Conversion Receivers." The options are clearly detailed.

The best balance of simplicity and performance is the following layout described:



```
                  Gnd              Gnd
```

Each L and C has 50 ohms reactance at the frequency.

How do a splitter? Take two FT-37-43 ferrite toroids (smaller for higher frequencies) About 12 turns on the first one, tapped at 8 turns (4:3 turns ration makes 2:1 impedance transformation, 50 to 25 ohms). Wind the other with about 10 bifilar turns; the "center tap" shown below is the end of wire 1 connected to the beginning of wire 2. Hook the 100 ohm resistor across the other two; each end is each of the outputs (to ground).

```
LO----->          >---+----------------- 1
       >---------->   R 100 ohms             In phase isolated outputs
       >          >---+----------------- 2
       >
      Gnd
```

```
: John Seboldt  rohrwerk@holonet.net /   I am Bach of Borg...
: Amateur radio K0JD...              /     your style will be
: Church of the Annunciation,       /         assimilated.
: Minneapolis                      /
```

```
 -> Alice4Mac 2.3 E QWK Eval:05Mar94
```

```
From owner-qrp-l@netcom.com  Sat Oct 15 21:01:55 1994
Date: Thu, 13 Oct 1994 11:42:23 +0800
From: Raymond.Anderson@EBay.Sun.COM (Ray Anderson)
Message-Id: <9410131842.AA03890@uranium.EBay.Sun.COM>
Subject: Quadrature VFO progress
```

For those who aren't working with the VFO design subcommittee on the INET rig project, here is a short summary of what is happening:

1. We've gone through several paper iterations
   (now on idea #3 revision C)

2. Lots of input and suggestions from several very knowledgable people.

3. Lots of schematics going back and forth through the net.

4. First proto-prototype built and problems identified.

   The latest schematics are on the ftp.netcom site in /pub/rander/qrp as phase1.ps and phase2.ps . Older obsolete schematics etc. have been purged from the directory to conserve disk space.

More info on results and details as they become available.
Get your R2/T2 boards ready!

Ray WB6TPU
raymonda@uranium.ebay.sun.com

From owner-qrp-l@netcom.com Sun Oct 16 01:17:47 1994
From: rohrwerk@holonet.net
Date: Sat, 15 Oct 1994 18:05:25 -0700
Message-Id: <199410160105.SAA13743@holonet.net>
Subject: R2 thoughts

For those of you starting to play with your R2 receivers, here are some thoughs from my experience.

MUTE RECOVERY is far too long for QSK with the .1 uF capacitor specified at the muting transistor. My value is .03 uF.

A small boost in AUDIO GAIN is not out of line. Change R50 to 150K. A little extra reserve for weak signals. No feedback problems for me, except a bit of ringing at max on higher bands.

Audio hiss might be annoying to some. Use good hi-fi headphones so you don't have tinny sounding response peaks that make it worse. Also, remember headphones are more efficient than speakers, so they bring the noise floor up closer to audibility. In headphones, attenuation of the output with a series resistor is a better (or additional) solution than high-end rolloff. This is a common (and logical) practice in headphone jacks on hi-fi gear. Don't ask me about value; I don't find it annoying.

R56 can be reduced a bit (20K, can't remember) so you can adjust the bias (therefore resting current draw) a bit lower than 100 mA. I find I can't go below about 60 mA total board current without audible distortion creeping in, and it won't go any lower than 50 mA in any case. But this saves a bit on heat and batteries!

If you change C43 and C44 in the audio highpass filter to .47 uF, you get a higher cutoff frequency for CW, and tinny but intelligible sound on SSB. It isn't very sharp, but still helps reduce noise and QRM. I have a switch to remove it for hi-fi voice reception. Some engineer could design a nice sharp high-pass filter for CW at about 600 Hz for the very best CW reception.

A correspondent gave me a CW lowpass filter design with a slightly lower cutoff frequency. I haven't tried it, but looks promising: (Thanks to epacyna@auratek.com (Edward Pacyna))

>--------------------------------

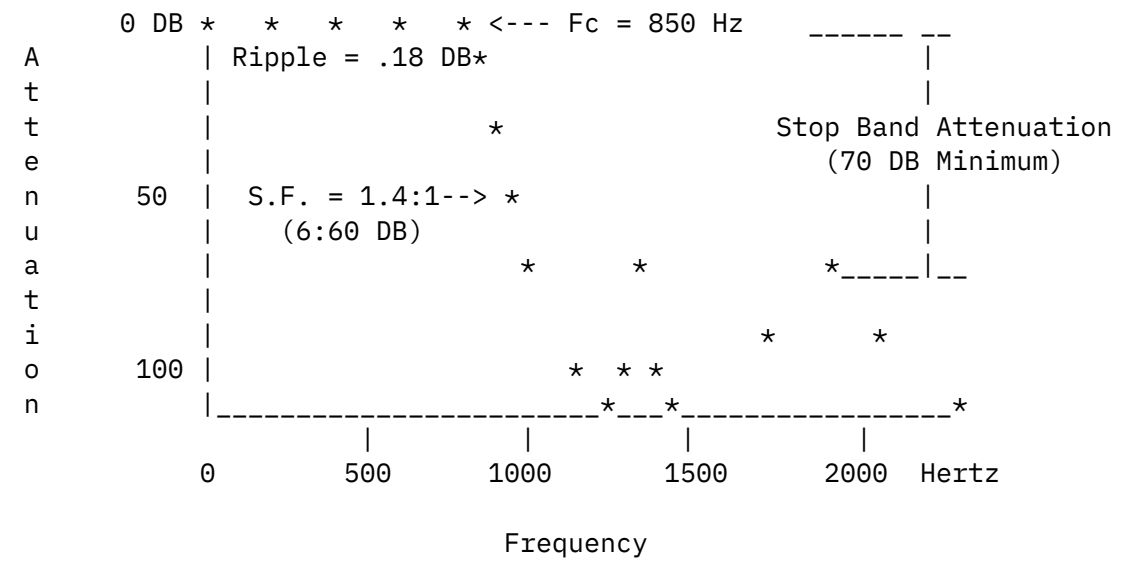
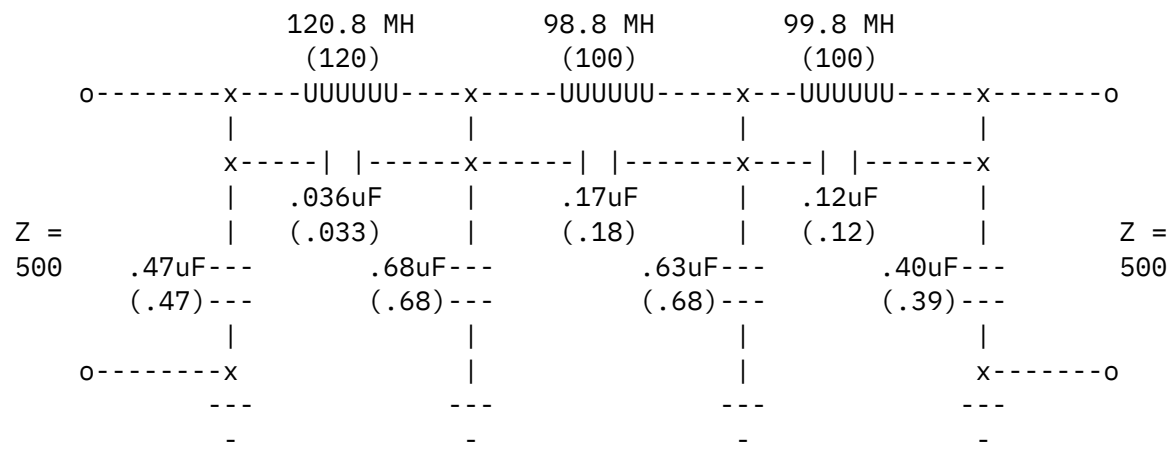


Figure 1. Frequency Response (7th order E.L.P.F)



Note: Values shown are calculated. ( ) are the nearest standard value.

Figure 2 Schematic - Elliptical Low Pass Filter (7th order)

>----------

Be sure to return the speaker ground lead to the same point where he tells you to return the power supply negative. This way, speaker currents flowing in the ground are much reduced, therefore feedback potential. If you use a phone jack, you have to insulate your negative from chassis with washers, etc. (This probably won't affect headphone operation much, but it's a good precaution anyway.)

Make your amplitude balance control a front panel pot if you anticipate
multiband operation.

: John Seboldt rohrwerk@holonet.net /   I am Bach of Borg...
: Amateur radio K0JD...   /   your style will be
: Church of the Annunciation,   /   assimilated.
: Minneapolis   /

 -> Alice4Mac 2.3 E QWK Eval:05Mar94

From owner-qrp-l@netcom.com Sat Oct 15 10:19:14 1994
From: KELL@LARK.JSC.NASA.GOV
Date: Tue, 12 Oct 1993 16:26:39 -0500 (CDT)
Message-Id: <931012162639.105b@LARK.JSC.NASA.GOV>
Subject: Sierra Arrival

My Sierra has arrived here in Houston. I may not get to work on it for a month,
until the XYL's craft faire is over. She seems to think that I have nothing mto
do but make junk for sale. :(

Ted Kell
KC5CUW

From owner-qrp-l@netcom.com Sat Oct 15 17:09:54 1994
From: S_BECKMAN@delphi.com
Date: Wed, 12 Oct 1994 11:45:09 -0400 (EDT)
Subject: Sierra kit arrives in Baltimore
Message-Id: <01HI6RJLC7EA9D6FJR@delphi.com>

Greetings;

I got my Sierra kit yesterday. I hurriedly opened the box, and found
inside another protective envelope. I hurriedly opend this enelope and
found a gorgeous main PC board, band modules with gold plated fingers,
a nice, heavy duty cabinet and drilled front/rear panels, knobs,
connectors, and lotsa nice components. The manual looks gorgeous!

Unfortunately, I'm in the middle of building another kit!

A tip of the hat to everyone involved in making the Sierra happen.
Nice Job, Guys!

73; Steve Beckman, N3SB

From owner-qrp-l@netcom.com Sat Oct 15 13:15:29 1994
Date: Wed, 12 Oct 1994 15:06:34 -0500 (CDT)

From: Bob Howle <bhowle@freud.inst.com>
Subject: Smallest Superhet ?
Message-Id: <Pine.SOL.3.90.941012150138.6004A-100000@freud.inst.com>

Need suggestions fron the group about which is the smallest superhet, QRP x'cvr on the market today. The rig can either be 'ready rolled' or in kit form. Should be able to put out at least 2 watts on 40 meters. I'd like to find a rig that fits this bill so I can build it up this winter in preparation for an extended wildnerss adventure during the spring and summer of 1995.

Your suggestion will be appreciated.

TNX / Bob / WA4ZI

From owner-qrp-l@netcom.com Sat Oct 15 16:37:52 1994
Date: Thu, 13 Oct 1994 10:12:10 -0400 (EDT)
From: Craig LaBarge <cal@locke.ccil.org>
Subject: XX-40 Enclosure
Message-Id: <Pine.3.89.9410131008.C27232-0100000@locke.ccil.org>

I'm getting ready to order one of the QRP-NE XX-40 transceiver kits (if I can finally decide what band to order). Does anyone have any suggestions for a nifty enclosure for this neat little rascal?

73, Craig WB3GCK
74740.3166@compuserve.com
Just say NO to QRO!